SOCIAL WELFARE AND LABOUR SECRETARIAT

Notification No. SWL 73 LFB 77

Bangalore, dated, 1st/5th December 1978.

Whereas the draft of the rules further to amend the Karnataka Factories Rules, 1959 was published as requised by Section 115 of the Factories Act, 1948 (Central Act 63 of 1948), in Notification No. SWL 73 LFB 77, dated 6th January 1978 in part IV-2-C(i) of the *Karnataka Gazette*, dated 12th January 1978 inviting objections and suggestions from all persons likely to be affected hereby on or before 20th April 1978;

And, whereas, the said Gazette who made available to the public on 12th January 1978;

And, whereas no objections or suggestions have been received on the said draft

Now, therefore, in exercise of the powers conferred by Section-112 of the Factories Act, 1948 (Central Act 63 of 1943) the Government of Karnataka hereby marked the following Rules namely.—

1 **Short title and commencement**:—(1) These Rules may be called the Karnataka Factories (Amendment) Rules 1978.

(2) They shall come into force on the date of their publication in the Official Gazette.

Insertion of new Rule 65-A:—After rule 65 of the Karnataka Factories Rules 1969, the following rule shall be inserted namely:—

65-A: Reaction vessels and Kettles:—

(1) This rule applies to reaction vessels and kettles (hereinafter referred to as reaction vessels) which normally work at a pressure not above the atmospheric pressure but in which there is likelihood of pressure being created above the atmosphere pressure due to reaction getting out of control or any other circumstances.

(2) In the event of the vessel being heated by electrical means a suitable thermostatic control device shall be provided to prevent the temparature exceeding the safe limit.

(3) Where steam is used for heating purpose in reaction vessels it shall be supplied through a suitable pressure reducing valve or any other suitable automatic device to prevent to maximum permissible steam pressure reducing valve or any other suitable atomatic device to prevent the maximum permissible steam presure being exceeded, unless the pressure of the steam in the supply line itself cannot exceed the said maximum permissible pressure.

(4) A suitable safety valve or rupture disc of adequate size and capacity shall be provided to effectively prevent the pressure

being built up in the reaction vessel beyond the safe limit, Effective arrangements shall be made to ensure that the released gases, fumes, vapours, liquids or dusts as the case may be are led away and disposed of through suitable pipes without causing any hazards, where inflammable gases or vapours are likely to be vented out from the vessel the discharge shall be provided with a flame arrestor.

(5) Every reaction vessel shall be provided with a pressure gauge having the appropriate range.

(6) In addition to the devices as mentioned in the foregoing provisions, means shall be provided for automatically stopping the feed into the vessel as soon as process conditions deviate from the normal limits to an extent which may be considered as dangerous.

(7) Where necessary, and effective system for cooling, flooding or blanketing shall be provided, for the purpose of controlling the reaction and process conditions with the safe limits of temprature and pressure.

(8) Automatic auditory and visual warning device shall be provided for clear warning wherever process conditions exceed the present limls. This device wherever possible, shall be integrated with automatic process correction systems.

(9) A notice pointing out the possible circumstances in which pressures above atmospheric pressure may be built up in the reaction vessels, the dangers involved and the preacautions to be taken by the operations shall be displayed at a conspicuous place near the vessel".

2. **Amendment of Rule 129.**—(1) In Schedule XXIII of Rule 129 of the Karnataka Factories Rules. 1969, for paragraph 4, the following paragraph shall be substituted namely :—

"4-Maintenance of Charcoal Level :—When any electric furnace is in operation, it shall be ensured that the electrodes are kept covered with charcoal bed."

(2) In paragraph 7, clause (a) for the words 'to make a correct assessment of the temperature", the word "to give an indication of the temperature as correctly as reasonably practicable", shall be substituted.

(3) In clause (b) for the word 'Manometers', the words 'Manometers or any other suitable devices' shall be substituted.

By Order and in the name of the Governor of Karnataka,

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Under Secretary to Government,
Social Welfare and Labour Dept.

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